

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P157148

Luminaire Tested: **UTLD-E01-LED-E-U-T3-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157148
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33662)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-E01-LED-E-U-T3-8030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 AREA
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2275 lumens
Efficiency: N/A
Efficacy: 92.1 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



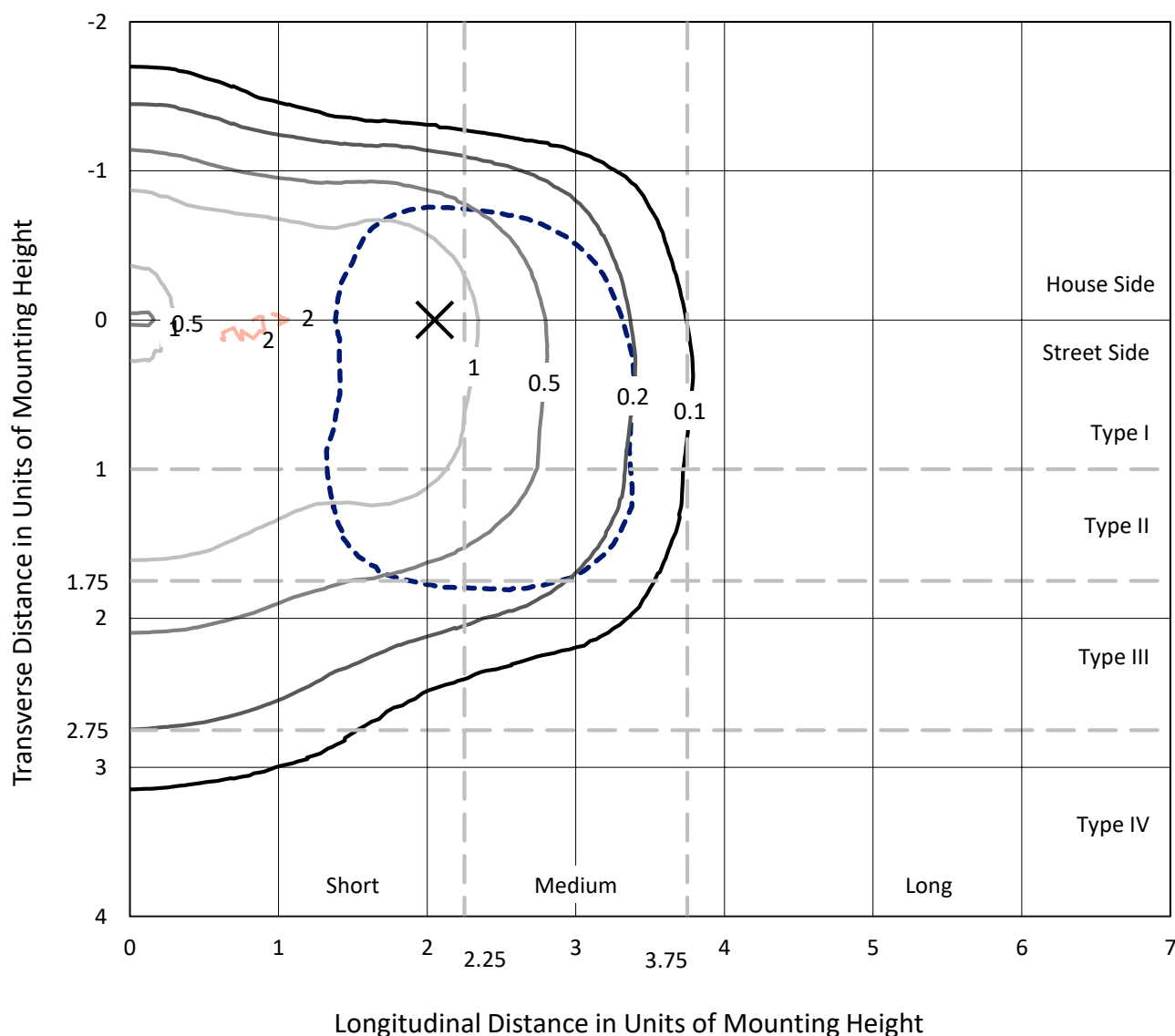
REPORT NUMBER: P157148

CATALOG NUMBER: UTLD-E01-LED-E-U-T3-8030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

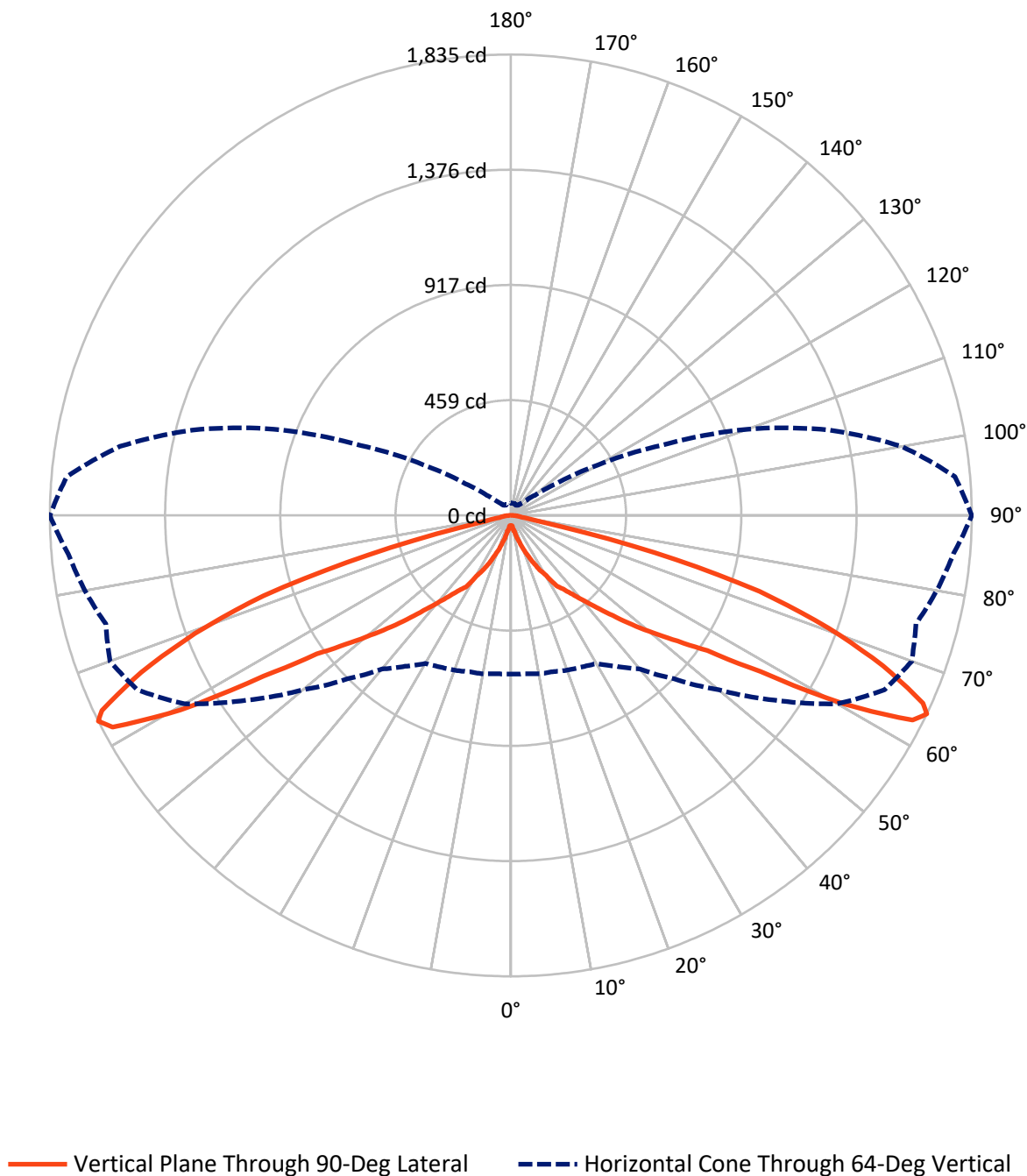


Based on 10 foot mounting height. Maximum calculated value = 2 fc
 Type III - Short - Semi-Cutoff

REPORT NUMBER: P157148

CATALOG NUMBER: UTLD-E01-LED-E-U-T3-8030

Luminous Intensity Polar Plot



REPORT NUMBER: P157148

CATALOG NUMBER: UTLD-E01-LED-E-U-T3-8030

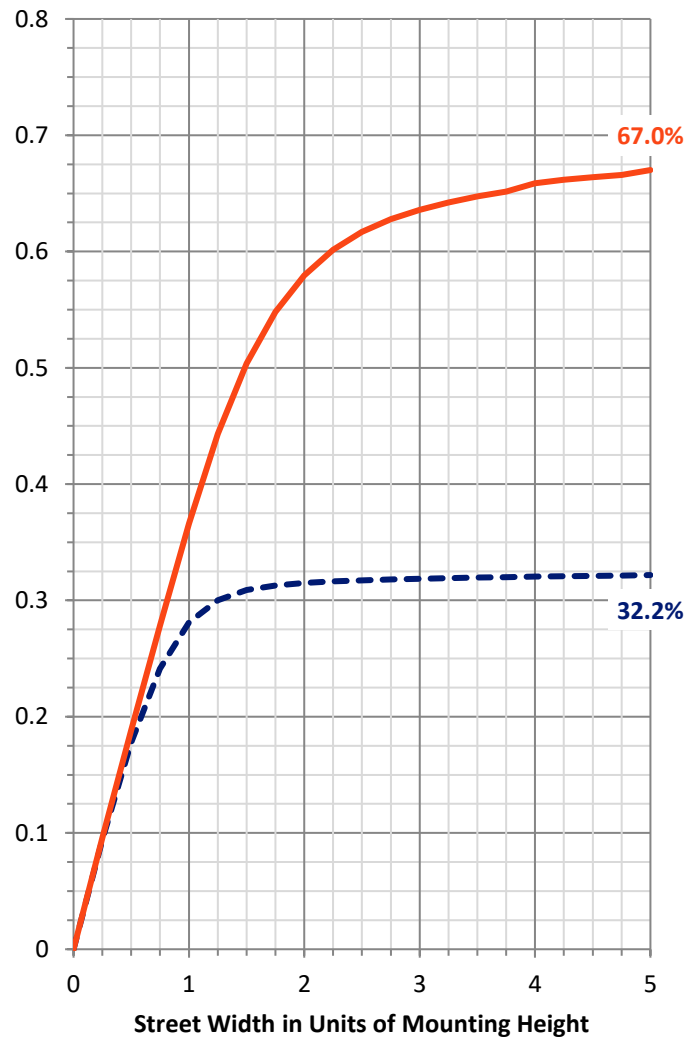
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	739.3	0.0	739.3
	% Fixture	32.5	0.0	32.5
Street Side	Lumens	1535.6	0.0	1535.6
	% Fixture	67.5	0.0	67.5
Total	Lumens	2275.0	0.0	2275.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.6	0.2
10°-20°	29.9	1.3
20°-30°	88.1	3.9
30°-40°	186.2	8.2
40°-50°	326.3	14.3
50°-60°	519.7	22.8
60°-70°	728.8	32.0
70°-80°	330.1	14.5
80°-90°	60.3	2.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2275.0	100.0
0°-180°	2275.0	100.0

Coefficient of Utilization



REPORT NUMBER: P157148

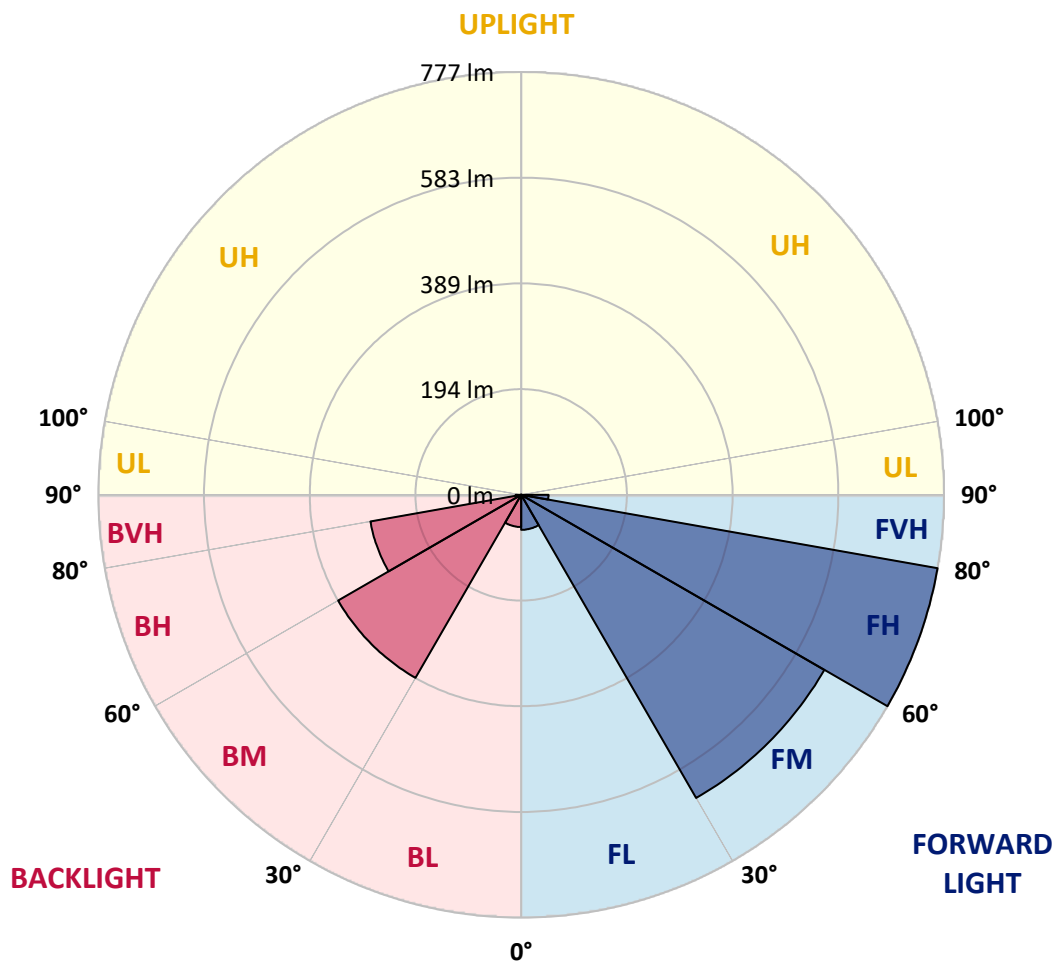
CATALOG NUMBER: UTLD-E01-LED-E-U-T3-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	64.4	2.8			
FM	(30°-60°)	643.6	28.3			
FH	(60°-80°)	777.4	34.2			G1/1800
FVH	(80°-90°)	50.2	2.2			G1/100
BL	(0°-30°)	59.2	2.6	B0/110		
BM	(30°-60°)	388.6	17.1	B1/1000		
BH	(60°-80°)	281.5	12.4	B1/500		G1/500
BVH	(80°-90°)	10.1	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short





REPORT NUMBER: P157148

CATALOG NUMBER: UTLD-E01-LED-E-U-T3-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
2.5°	65.8	66.7	66.3	66.7	67.1	66.7	66.7	66.3	66.7	67.1	67.1
5°	53.6	54.0	54.0	53.6	54.0	54.0	54.0	54.0	54.0	54.0	54.0
7.5°	80.2	80.6	81.0	80.2	80.2	80.6	79.8	68.4	55.3	54.4	53.6
10°	80.2	80.6	80.6	79.8	80.2	80.6	80.6	80.2	77.6	77.2	77.2
12.5°	103.0	103.4	103.8	103.8	103.8	100.9	97.1	81.4	79.3	100.0	101.7
15°	104.2	104.2	104.2	102.5	102.5	100.9	102.1	120.7	119.4	105.1	103.4
17.5°	128.3	128.3	128.3	127.9	124.9	124.9	125.8	121.5	122.0	122.4	144.3
20°	156.1	157.0	145.6	133.4	128.7	143.5	143.9	141.4	155.3	138.4	145.6
22.5°	163.3	163.3	162.9	159.1	159.9	170.1	163.7	158.2	161.6	152.8	165.0
25°	194.1	194.1	191.6	188.2	183.1	178.5	183.6	182.7	175.1	174.3	194.5
27.5°	208.0	202.1	200.9	196.6	208.0	205.5	209.7	190.7	206.8	203.0	214.0
30°	238.8	238.4	234.2	238.0	238.0	228.3	220.7	229.6	232.9	225.8	250.7
32.5°	282.7	282.3	277.3	274.3	253.6	251.5	256.2	257.4	257.0	259.1	266.7
35°	330.4	330.0	302.1	296.7	289.1	287.4	287.0	280.2	288.2	278.1	298.4
37.5°	362.1	365.4	349.4	345.6	335.9	324.9	316.1	320.3	310.6	309.3	324.1
40°	425.4	426.6	412.3	400.5	392.0	367.1	358.3	355.7	352.4	348.1	368.0
42.5°	484.9	483.2	470.5	461.2	450.7	426.6	400.9	397.9	397.1	393.3	410.6
45°	542.7	544.0	529.2	525.0	508.1	492.9	457.4	457.9	455.3	451.1	466.7
47.5°	595.4	598.4	590.4	577.3	563.8	551.5	524.5	522.9	516.9	518.2	536.8
50°	639.7	645.2	637.6	627.9	615.7	607.3	591.6	587.8	584.5	587.8	608.1
52.5°	670.1	674.8	677.7	665.5	665.5	654.5	649.5	645.7	646.9	657.0	681.1
55°	685.3	689.5	695.9	687.4	706.0	690.0	685.3	690.8	699.2	717.4	751.6
57.5°	685.3	687.9	695.9	697.6	708.5	697.1	705.6	717.4	735.5	767.2	815.3
60°	671.0	673.1	682.8	684.1	694.2	691.7	698.8	732.6	759.2	811.5	888.7
62.5°	648.2	649.5	658.7	661.3	671.8	676.9	687.9	736.8	784.1	875.2	999.3
64°	631.7	632.6	640.2	644.0	655.8	665.5	680.7	733.4	798.0	920.0	1080.3
65°	620.3	620.3	629.6	631.3	643.1	655.8	672.2	725.4	798.8	936.8	1115.3
67.5°	575.6	573.5	582.8	587.0	591.6	601.8	611.9	667.2	749.0	910.2	1106.1
70°	500.1	495.0	499.6	496.3	493.7	489.1	484.0	522.4	580.7	742.7	936.8
72.5°	350.7	350.7	346.9	354.9	360.8	366.7	346.5	351.1	382.7	487.4	660.4
75°	235.5	238.0	244.8	264.2	283.2	300.5	307.2	307.6	281.0	289.1	400.9
77.5°	139.7	145.2	150.2	173.0	197.5	233.8	265.9	297.1	304.3	300.0	290.3
80°	62.9	64.6	71.7	80.6	95.8	120.7	167.5	217.3	273.9	302.1	296.2
82.5°	21.5	23.6	28.3	33.8	40.1	51.1	76.0	102.5	156.6	222.0	276.0
85°	7.2	8.0	11.0	15.2	16.9	19.4	25.7	38.0	62.0	87.4	166.3
87.5°	3.0	3.8	5.1	7.6	8.4	8.4	8.9	11.4	11.4	11.4	45.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P157148

CATALOG NUMBER: UTLD-E01-LED-E-U-T3-8030

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
2.5°	55.3	51.1	45.2	43.9	42.2	41.8	41.4	41.4	40.9	41.4	41.4
5°	59.1	62.5	65.0	63.3	46.8	44.7	41.4	40.9	41.4	41.4	43.5
7.5°	53.6	53.6	51.1	58.7	59.1	43.9	40.5	41.4	41.8	42.2	49.0
10°	57.8	73.4	73.0	74.3	84.8	83.1	62.0	60.8	61.2	64.1	84.8
12.5°	103.0	95.4	75.1	78.5	77.6	86.1	66.3	63.7	65.4	81.4	79.3
15°	103.4	118.6	121.1	106.8	101.3	107.2	96.6	92.0	89.0	105.9	91.2
17.5°	122.8	121.5	124.1	114.4	108.0	106.3	116.5	113.9	109.3	101.7	94.5
20°	135.9	145.2	148.1	167.1	155.7	151.1	154.5	145.6	140.5	142.6	142.2
22.5°	166.7	179.8	170.1	173.9	177.2	189.1	184.8	171.3	174.7	175.6	170.1
25°	176.4	197.9	211.8	219.0	221.5	214.0	224.5	208.9	214.0	206.8	211.8
27.5°	218.6	219.9	230.8	228.3	245.6	254.5	254.0	245.6	247.7	251.9	257.4
30°	230.8	235.5	257.4	265.0	274.7	281.5	273.5	276.8	270.5	279.4	280.6
32.5°	269.2	265.0	273.0	305.1	327.5	338.9	327.5	334.2	327.0	330.0	315.2
35°	292.0	311.9	317.3	332.5	349.4	365.4	362.1	360.8	360.0	365.9	335.1
37.5°	338.9	343.1	346.0	365.4	380.6	401.7	402.6	397.9	406.0	389.1	362.5
40°	369.7	376.4	380.2	393.3	424.1	441.0	453.6	444.4	455.8	422.0	403.0
42.5°	415.7	412.7	419.5	439.7	477.7	487.8	505.6	499.6	516.9	480.7	443.1
45°	476.0	473.5	474.7	487.8	539.3	546.5	564.2	568.8	577.3	532.1	493.7
47.5°	544.0	545.2	545.2	558.3	600.5	614.8	635.1	649.0	646.1	587.0	548.6
50°	620.3	626.2	617.4	635.5	667.2	692.9	704.3	734.3	723.3	663.4	620.8
52.5°	704.7	714.4	706.4	721.6	751.6	784.1	803.1	831.3	812.3	762.1	687.0
55°	788.3	805.2	814.5	830.9	869.3	900.1	908.6	948.6	922.1	872.7	759.6
57.5°	876.1	911.9	945.3	967.6	1032.2	1068.1	1086.2	1173.1	1140.7	1088.3	913.6
60°	989.6	1098.5	1189.2	1239.4	1324.6	1361.4	1433.9	1525.9	1502.7	1425.5	1189.6
62.5°	1175.7	1369.4	1507.8	1572.4	1592.6	1640.3	1708.2	1795.2	1759.3	1581.2	1334.8
64°	1282.0	1500.6	1641.1	1698.1	1669.4	1721.7	1768.2	1834.8	1774.5	1580.0	1312.4
65°	1327.2	1549.6	1684.2	1738.2	1680.4	1723.4	1761.8	1803.6	1728.1	1538.6	1257.5
67.5°	1338.6	1552.9	1673.2	1705.3	1609.5	1596.8	1603.2	1598.9	1497.7	1324.6	1074.0
70°	1167.2	1372.8	1541.1	1582.1	1453.8	1385.8	1382.5	1341.9	1239.0	1102.7	884.5
72.5°	901.4	1080.7	1247.4	1302.7	1181.6	1128.0	1115.3	1035.6	949.9	823.7	666.3
75°	610.6	755.8	804.3	807.7	710.6	681.9	663.4	591.2	516.9	462.9	390.8
77.5°	358.7	418.6	374.3	329.6	258.3	183.1	136.3	113.5	124.1	123.6	116.5
80°	303.4	284.8	230.4	178.5	128.3	72.6	52.7	44.7	45.6	46.4	45.6
82.5°	326.2	347.3	294.6	209.3	157.0	92.4	44.7	32.1	36.7	40.5	38.8
85°	276.4	338.9	315.7	226.2	168.4	97.1	31.6	21.1	27.0	33.3	35.4
87.5°	107.2	156.6	127.0	87.4	58.7	32.5	18.6	15.2	19.0	26.6	29.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P157148

CATALOG NUMBER: UTLD-E01-LED-E-U-T3-8030

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
2.5°	41.8	43.0	45.2	45.2	43.9	45.2	51.1	58.2	62.5	65.8	69.6
5°	43.5	57.0	66.3	67.5	65.8	47.7	44.3	44.3	46.0	47.7	43.9
7.5°	60.8	57.8	40.5	43.0	43.5	43.9	43.5	44.7	45.2	59.9	68.4
10°	69.2	62.9	61.2	51.1	47.7	66.7	66.7	67.1	69.6	70.1	69.6
12.5°	67.5	64.6	65.0	86.5	93.3	89.0	72.2	66.7	69.6	79.8	89.5
15°	90.3	96.2	102.1	89.5	93.7	90.7	106.8	111.0	91.6	90.3	93.3
17.5°	96.2	116.0	116.9	111.8	126.2	112.7	109.7	111.0	109.3	101.3	114.4
20°	158.7	147.7	137.6	126.2	136.7	132.5	130.0	131.2	130.0	130.4	115.2
22.5°	168.4	163.7	172.6	168.0	158.2	147.7	151.9	149.4	135.5	150.2	138.8
25°	219.0	215.6	196.6	175.1	189.9	168.0	157.8	168.0	165.4	154.0	154.0
27.5°	230.4	229.6	226.2	230.0	202.1	190.3	202.6	173.4	175.1	178.9	178.1
30°	266.7	266.3	238.0	241.4	239.7	219.0	211.0	214.0	194.1	190.7	198.3
32.5°	305.5	280.2	272.6	275.1	255.3	241.8	237.6	221.1	213.5	209.7	197.5
35°	322.4	321.6	314.8	290.8	283.2	257.8	254.0	235.1	227.9	225.3	219.0
37.5°	344.8	343.9	336.8	324.1	305.9	276.0	262.9	250.2	234.2	224.1	232.1
40°	374.7	368.4	361.2	340.6	315.7	288.6	270.1	248.1	238.0	228.3	239.7
42.5°	427.9	399.6	381.9	355.7	322.4	289.9	269.2	248.1	228.7	225.8	227.5
45°	474.7	429.6	399.2	365.4	325.4	287.4	261.2	237.2	223.7	212.3	211.8
47.5°	515.7	463.8	415.2	373.0	323.7	280.6	249.4	223.7	206.8	195.8	190.7
50°	554.1	499.6	431.7	375.6	316.5	267.5	232.5	205.1	184.0	171.8	170.5
52.5°	592.5	525.0	445.6	371.8	302.6	247.7	208.0	178.9	156.1	146.0	143.9
55°	646.9	539.3	452.8	358.3	280.6	220.7	178.9	148.1	125.3	120.3	117.3
57.5°	761.3	586.2	460.0	337.2	248.1	185.7	144.7	118.2	101.3	96.2	93.7
60°	945.3	675.6	476.4	305.1	203.8	146.4	110.6	88.6	77.2	74.3	73.0
62.5°	1031.8	699.2	451.1	256.6	156.1	104.2	77.6	62.5	56.5	55.7	56.5
64°	1004.3	659.2	402.2	219.0	124.5	80.6	59.9	49.8	46.4	46.0	47.7
65°	955.8	613.6	365.0	193.3	103.4	66.7	50.2	43.0	40.5	41.4	42.6
67.5°	789.6	474.3	247.3	115.6	59.9	40.9	34.2	30.8	31.2	32.1	33.8
70°	616.5	317.8	134.6	59.9	35.9	27.9	25.7	24.5	25.3	26.6	28.3
72.5°	422.8	177.7	64.1	34.2	26.6	22.4	21.9	21.5	22.4	23.6	25.3
75°	221.5	74.3	36.3	27.0	23.2	20.3	20.7	20.3	21.1	22.4	23.6
77.5°	70.1	40.1	30.4	24.9	21.9	19.0	19.4	19.8	20.7	21.5	22.4
80°	38.0	33.3	27.4	23.2	20.7	17.7	18.6	19.0	20.3	20.7	20.7
82.5°	34.6	29.1	24.1	21.1	19.8	17.3	19.0	19.0	19.0	19.0	19.0
85°	30.4	23.6	19.8	18.6	18.6	16.5	17.7	17.7	16.9	16.9	16.0
87.5°	23.6	17.3	16.9	18.6	17.3	11.8	15.2	14.3	13.1	13.1	12.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P157148

CATALOG NUMBER: UTLD-E01-LED-E-U-T3-8030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	41.8	41.8	41.8	41.8
2.5°	69.2	69.6	67.9	67.9
5°	43.5	43.9	43.5	43.5
7.5°	70.9	70.1	72.6	70.1
10°	71.3	69.2	68.8	69.2
12.5°	92.8	92.8	93.3	93.3
15°	92.8	92.4	93.3	92.8
17.5°	116.5	117.3	117.7	117.3
20°	117.7	118.2	121.5	119.0
22.5°	139.7	142.2	142.2	141.8
25°	145.6	164.2	168.0	167.5
27.5°	167.1	169.2	169.6	169.2
30°	190.3	191.2	193.3	192.4
32.5°	200.4	214.0	216.5	215.6
35°	217.3	213.5	222.4	231.3
37.5°	227.5	226.2	228.3	227.9
40°	236.7	238.8	241.4	239.3
42.5°	227.9	226.6	227.9	227.0
45°	209.7	210.2	209.3	208.5
47.5°	186.9	186.9	186.1	186.1
50°	162.9	163.7	160.4	160.8
52.5°	137.6	138.4	135.9	133.4
55°	113.9	114.4	111.0	110.1
57.5°	92.0	93.3	90.3	89.0
60°	73.0	73.4	72.6	72.6
62.5°	57.8	57.0	56.1	56.5
64°	49.0	49.4	48.1	49.0
65°	43.9	44.7	43.9	44.7
67.5°	35.0	36.3	35.9	36.3
70°	30.0	30.4	30.0	30.0
72.5°	26.6	27.0	26.2	25.7
75°	24.9	24.5	24.1	23.6
77.5°	22.8	22.8	21.9	21.5
80°	20.3	19.8	19.0	18.1
82.5°	18.6	17.7	15.6	14.3
85°	15.6	14.3	11.8	9.3
87.5°	12.7	11.4	7.2	3.8
90°	0.0	0.0	0.0	0.0

(END OF REPORT)